



Christian Nagel | thinktecture

jQuery für .NET Entwickler

Christian Nagel

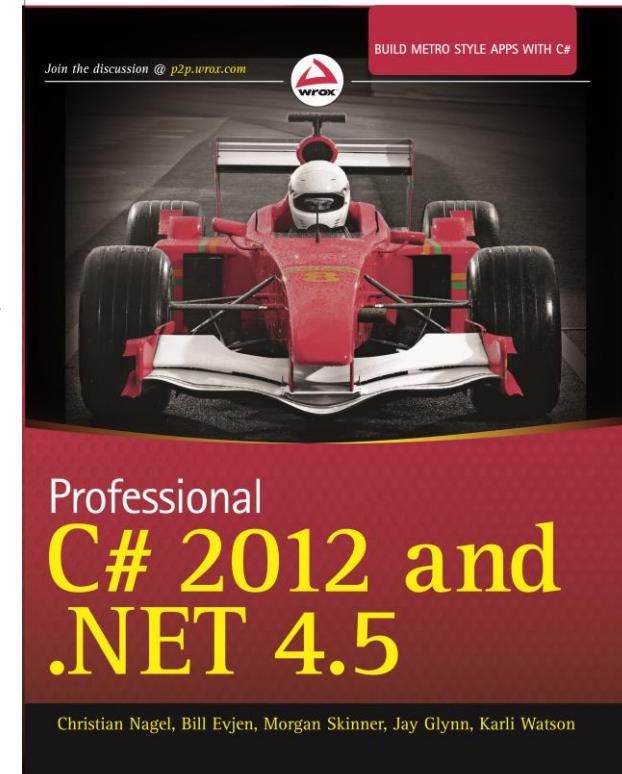
- Microsoft Regional Director
- Microsoft MVP
- Consulting & Training

<http://www.cninnovation.com>

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Agenda

- Warum?
- JavaScript im Vergleich zu C#
- Überblick zu jQuery
- Selectors
- Mehr jQuery...

Goals

- Einstieg in jQuery
- Viele Code Samples!



No WAY!

WOW!

uh?

HOL?

Huh?

THERE?

WHY?

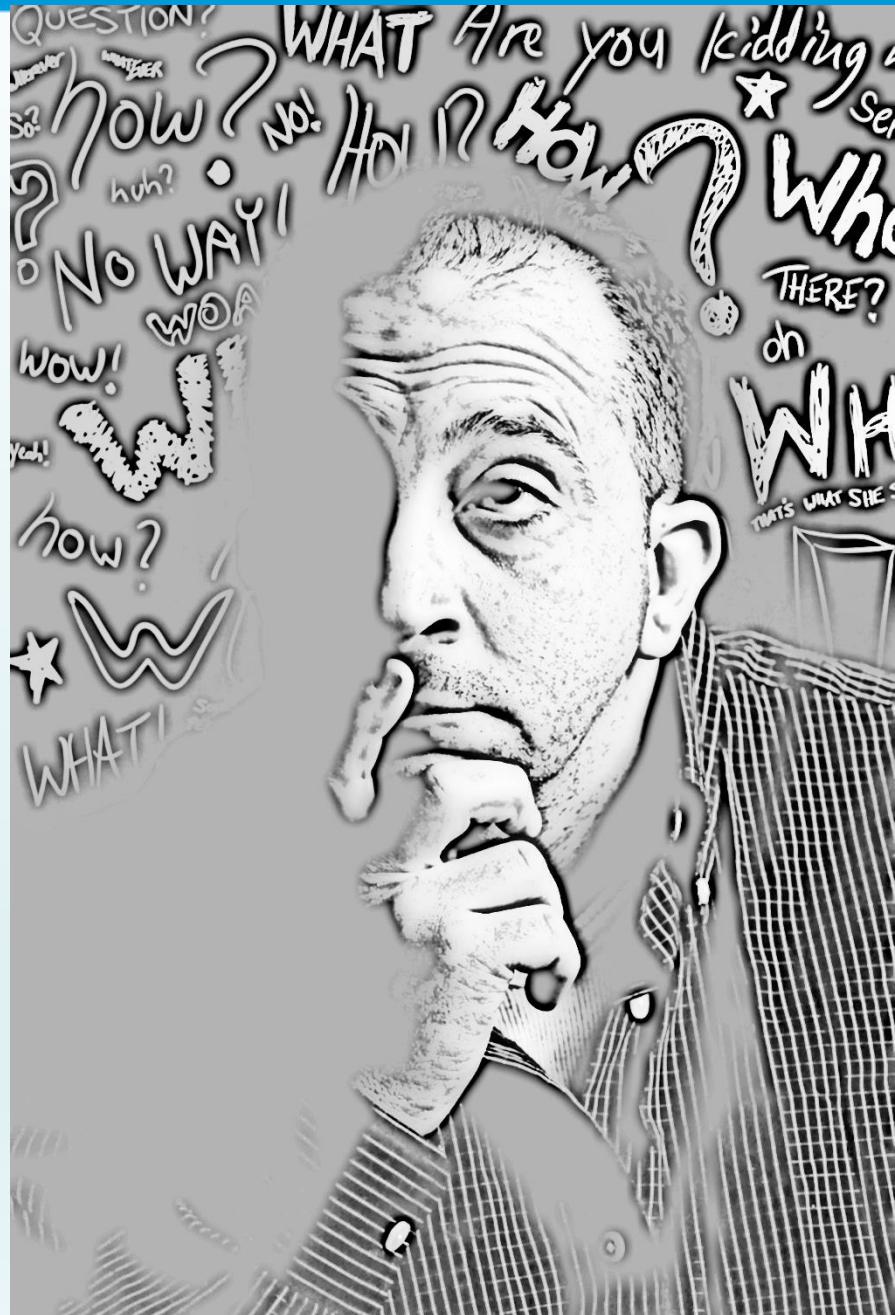
WHAT!

SO WHAT!

THAT'S WHAT SHE

Warum?

- HTML 5
- jQuery
- ASP.NET MVC
- Windows Store Apps



JAVASCRIPT

Gemeinsamkeiten

;

for

switch

do/while

while

try

if

catch

finally

{ }

throw

Vergleichs-Operatoren

```
var x1 = 3;  
var x2 = "3";  
if (x1 == x2)  
    alert("the same");
```

```
var x1 = 3;  
var x2 = "3";  
if (x1 !== x2)  
    alert("not the same");
```

Objekte

- Objekt Literal

```
var r = new Racer { FirstName: "Sebastian", LastName: "Vettel" };
```

- new Operator

```
var r = new Object();
r.FirstName = "Sebastian";
r.LastName = "Vettel";
r["Team"] = "Red Bull Racing";
```

Arrays

- Array Literal

```
var numbers = [ 3, 8, 11, 17 ];
```

- Array Object

```
var numbers = new Array(3, 8, 11, 17);
```

Funktionen

- Defining Functions

```
function foo(x, y, z) {  
}
```

- Invoking Functions

```
foo();  
foo(3, 5);  
foo("abc", "def", 33, 11);
```

Und Lambda Expressions?

- C#

```
Func<int, int> f = x => x * 2;
```

- JavaScript

```
var f = function(x) { return x * 2 };
```



JQUERY

jQuery

- Eine JavaScript Library
- Was brauchen wir dafür?
 - CSS
 - HTML
 - JavaScript

JavaScript vs. jQuery

- Wert vom selektierten Radio-Button

```
var checkedValue;  
var elements =  
    document.getElementsByTagName('input');  
for (var n = 0; n < elements.length; n++) {  
    if (elements[n].type == 'radio' &&  
        var checkedValue =  
        $('[name="someRadioGroup"]:checked').val();  
        checkedValue = elements[n].value;  
    }  
}
```



Unobtrusive JavaScript

Style

Behavior

Structure

Unobtrusive JavaScript

```
<button
  type="button"
  onclick="document.getElementById('xyz').style.color='red';">
  Click Me
</button>
```

```
<button type="button" id="testButton">Click Me</button>
```

```
<script type="text/javascript">
  window.onload = function() {
    document.getElementById('testButton').onclick = function() {
      document.getElementById('xyz').style.color = 'red';
    };
  };
</script>
```

Nachdem DOM geladen ist...

```
window.onload = function() {  
    //...  
};
```

```
jQuery(document).ready(function() {  
    //...  
});
```

```
jQuery(function() {  
    //...  
});
```

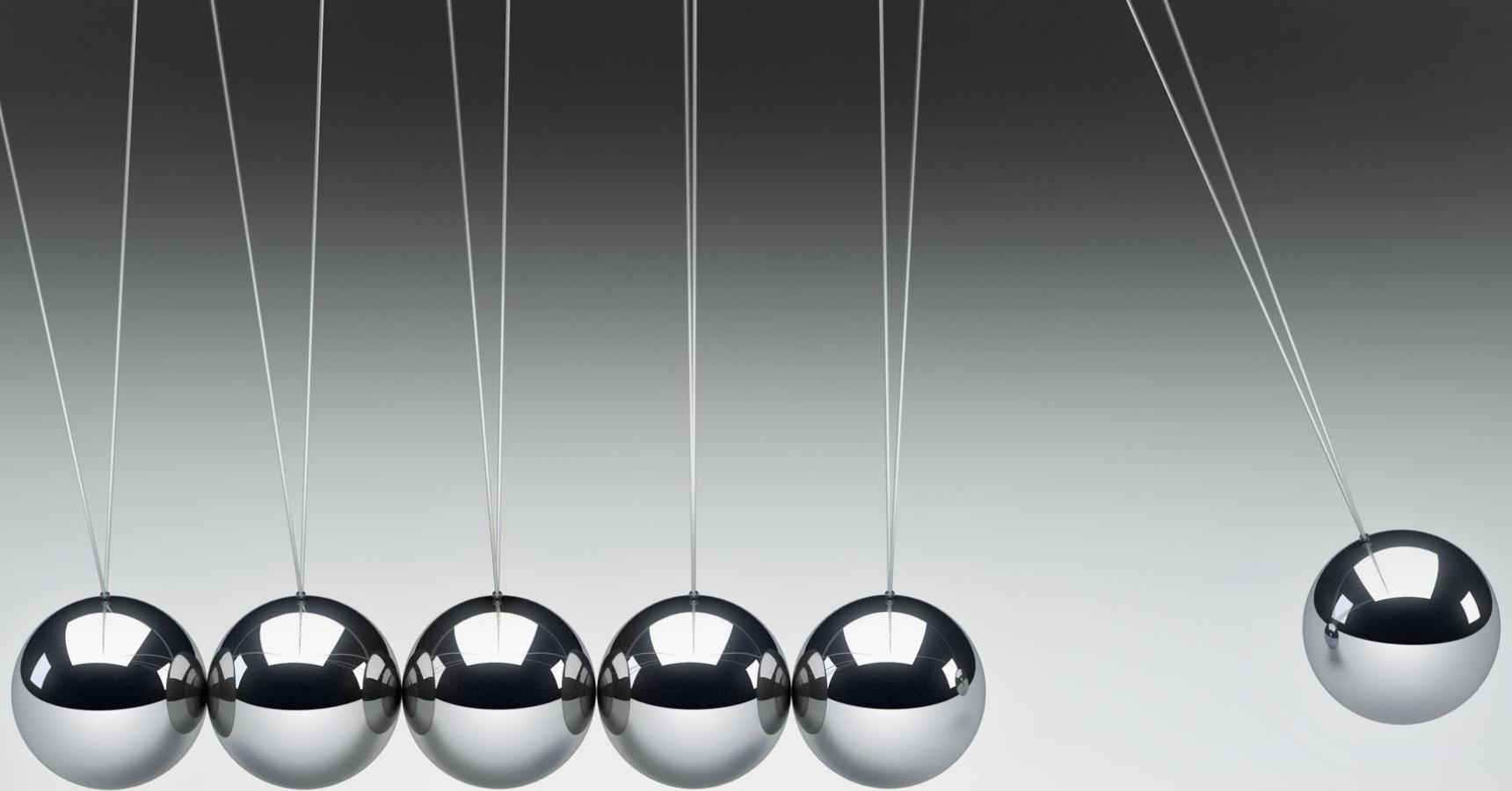
```
$(function() {  
    //...  
});
```

Selectors



Selectors

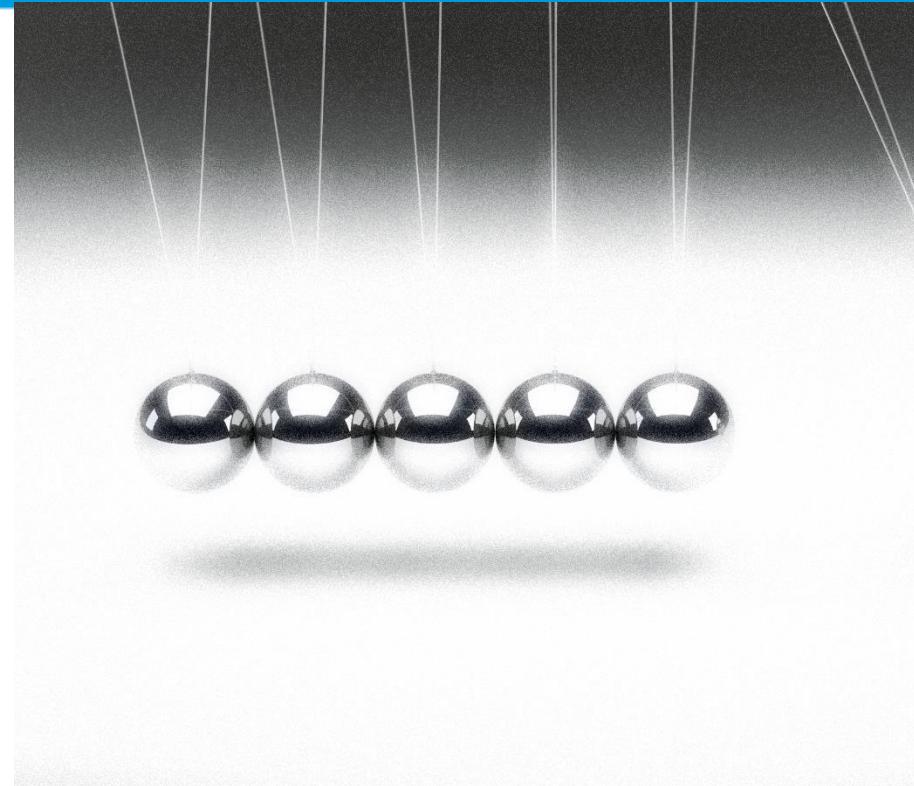
- *
- a
- #id
- .class
- a#id.class
- p a.class
- p > a
- p + a
- a[href*='value']
- :first
- :last
- :first-child
- :nth-child(n)
- :even
- :checked
- :hidden
- :radio
- :focus



Fluent Interface

Fluent Interface

- Wrapped Elements
- addclass
- hide
- first
- last
- eq
- ...



A man in a black graduation gown with a maroon velvet collar and a green tie is seated at a wooden table, signing a white document with a silver pen. A young child in a purple dress is sitting next to him, playing with a bouquet of purple and yellow flowers. The background shows a white wall with framed pictures.

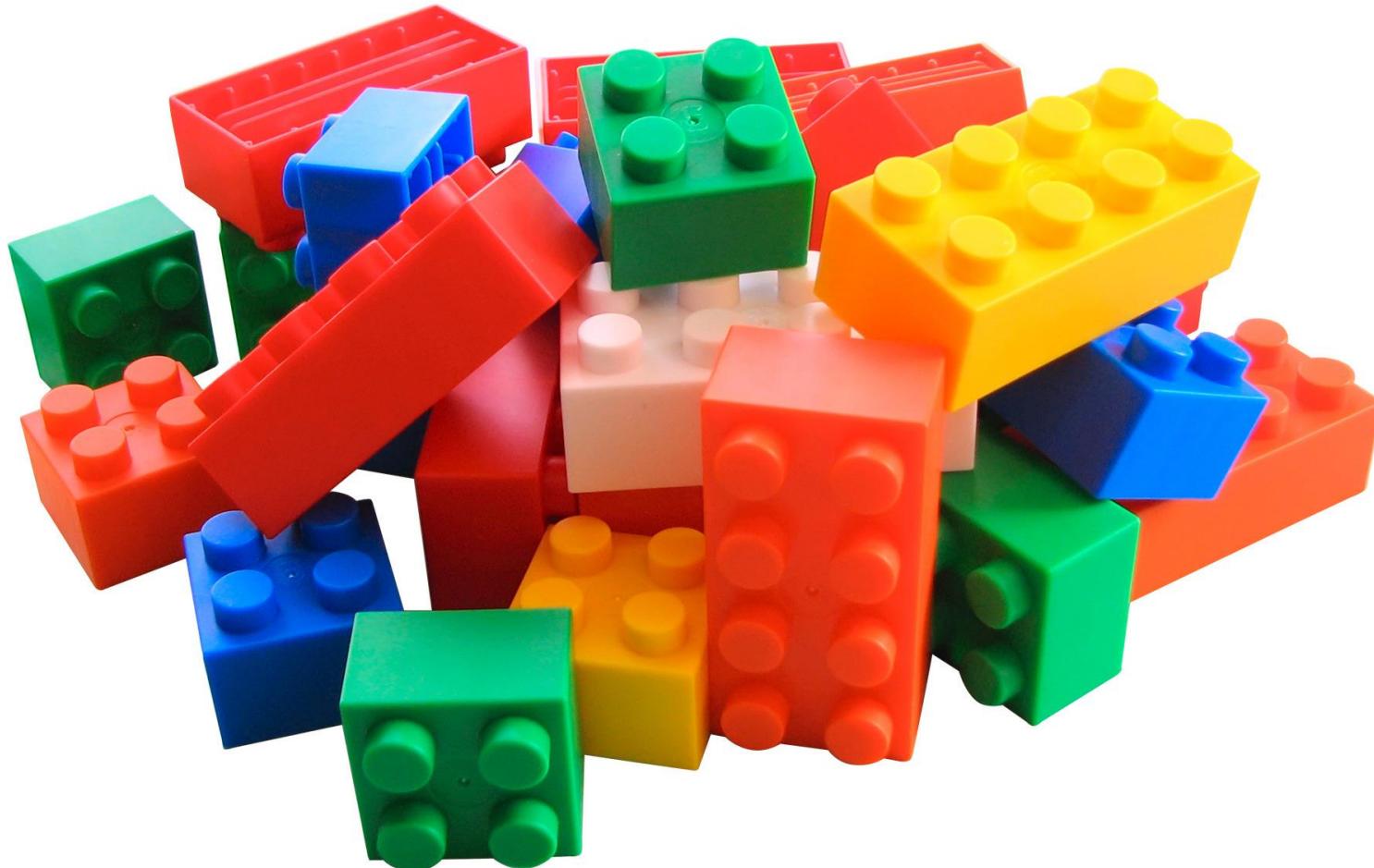
Events

Events

- click
- mouseenter
- mousemove
- one
- on
- off

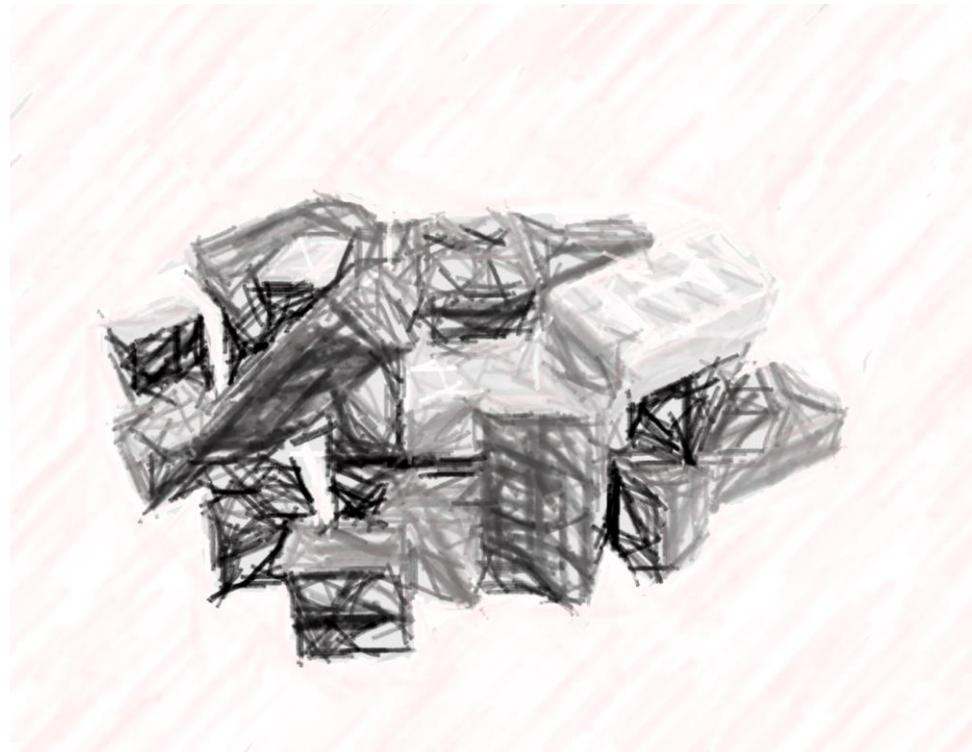


Create DOM



Create DOM

- \$("<div>Hello</div>")
- 2nd argument attributes
- .css
- .appendTo



Ajax



Ajax

- load
- .get
- .getJSON
- .post
- .ajax



Summary

- Unterschiedliche Browser-Implementierungen werden abgenommen
- Powerful Query

Weitere Informationen

- <http://api.jquery.com>
 - Documentation
- <http://www.cninnovation.com>
 - jQuery Workshop
- **jQuery in Action, Manning**
 - Bear Bibeault, Yehuda Katz



The screenshot shows the homepage of the CN innovation website. The header features a dark background with a grid of keyboard keys (Caps Lock, Training, Books, Blog, About, Contact). Below the header, there's a large 'CN' logo and the word 'innovation'. A bio for Christian Nagel is present. To the right, there are four links: 'Training', 'Books', 'Blog', and 'About'. At the bottom, there's a section titled 'Latest Weblog notes' with several links.

CN innovation

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- » Windows 8 UI Training mit HTML und JavaScript
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- » HTML 5 in Stockholm

CN innovation, Eichkogelstrasse 46, 2353 Guntramsdorf, Austria, Phone: +43 664 34 68 562, Fax: +43 664 34 68 563